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# **COE Technical Exchange Meeting**



# Common Operating Environment

## **COE Objectives**

**Lower Cost**

**Early Integration**

**Commonality**

**Ease of Installation**

**Elimination of Redundancy**

**Standardization**

**Interoperability**

**Scalability/Portability**

**Security**



# COE - 1st Principles

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**Removable**

**System Installation**

**Automated Install Generation**

**Non-Compliant Components**

**Business Rules**

**Plug-In Business Rules**

**Backward Compatibility**

**Segment Types**

**Review Prior to Install**

**Registration**

**Self-describing**

**Segment Dependencies**

**Platform Independent Description**

**Self-Containment**

**Ownership and Arbitration**

**Location Insensitive**

**Namespace Deconfliction**

**Environment Separation**

**Separation of Segment Files**

**Validation**

Single integration approach



# Keys to Interoperability and Data Re-use

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- **Common Modular Architecture (Segments)**
- **Common Representation (C2 Data Model+)**
- **Common Data Language (XML)**
  - **Common Librarian (Data Emporium, JCC)**



# COE XML Management Approach

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- **The Challenge: Make XML Work on COE**
  - Control Heterogeneity
  - Ensure Uniqueness
- **The Approach:**
  - Establish XML Registry within COE Data Emporium
  - Establish XML venue as sub-panel to COE Data TWG
  - Distribute XML CM burden across COE Engineering Staff and Service/Agency Namespace Managers
  - Coordinate with other DoD, Allied, and Commercial XML activities

***Re-use previous investments in Battlespace data definition***



# Upcoming Deliveries

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- **Kernel**

- **22 May 4.2P2 beta to CFI testers (NT, Sol 7, HP 10.20)**
- **30 May 4.2P2 official delivery (NT, Sol 7, HP 10.20)**
- **21 Jul 4.2P3 to CFI testers & core developers (NT, Sol 7/8, HP 10.20/11.0)**
- **07 Aug 4.2P3 official delivery (NT, Sol 7/8, HP 10.20/11.0)**
  
- **July 4.2.0.2 kernel for Solaris 8**
- **July 4.2.0.2 kernel for HP-UX 11.0**
- **August 4.2.0.3 kernel for Windows 2000 workstation**



# Upcoming Deliveries

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- **UB/ICSF/3.1 Kernel Support**
  - **June Consolidated Security Patch**
  - **09 Jun ICSF 4.3.0.0 sync drop 1**
  - **31 Jul UB 3.0.2.5P11**
  - **04 Aug ICSF 4.3.0.0 sync drop 2**
  - **22 Sep ICSF 4.3.0.0 official delivery**



# Upcoming Deliveries

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- **Infrastructure**

- **May COE Menu Interface**
- **June Samba (Sol 7), McAfee Antivirus (HP 10.20), SPI, SPINET, Tcl/TK, OS Patches (Sol 2.51/7), Java 2 (1.3 for NT & Sol 7), iPlanet Directory Server (NT)**
- **July OS Patches (HP 10.20/11.0), Unix Security Configuration Tool, IRCC**
- **August Perl, segment support for Sol 2.5.1/7/8, HP 10.20/11.0**





# CHALLENGES

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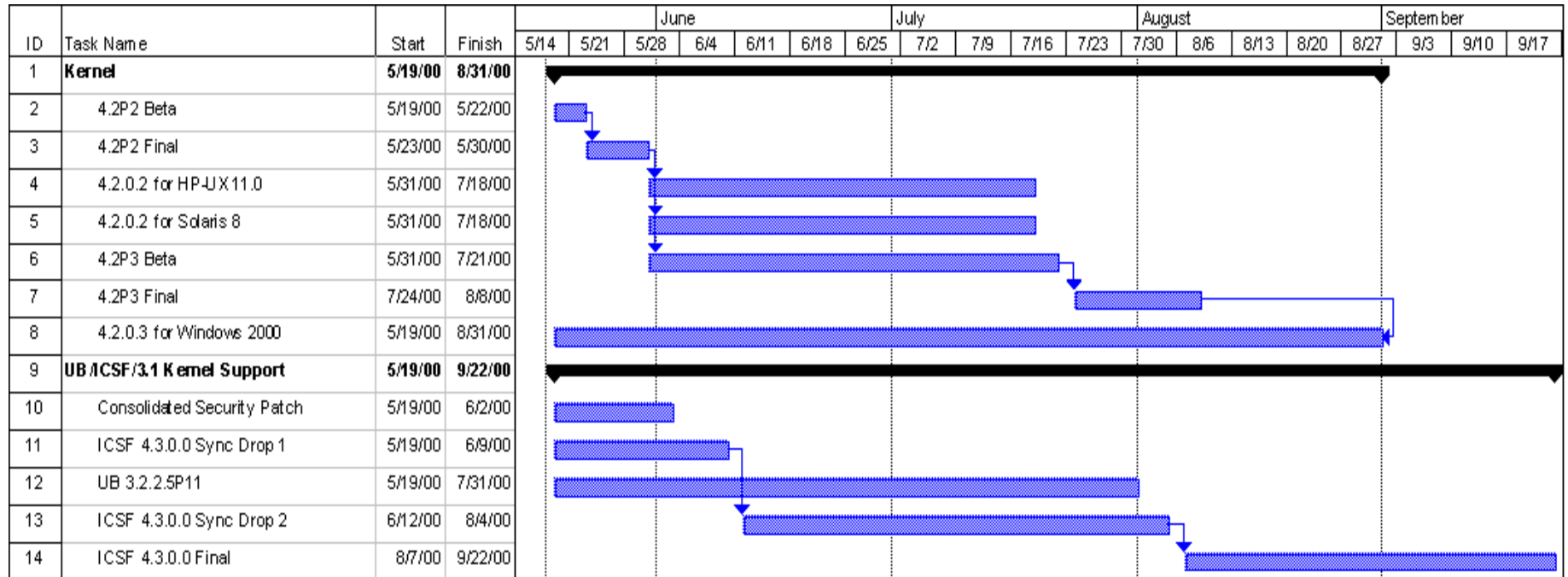
- **SIGNIFICANT EXPANSION OF OS SUPPORT**
- **XML**
- **TECHNOLOGY INNOVATION CYCLE**



# QUESTIONS???



# Upcoming Deliveries





# Upcoming Deliveries

